What is claimed is:

	1.	An isolated fluctere acid molecule selected from the group consisting of:
5	a)	a nucleic acid molecule comprising a nucleotide sequence which is at
	least about 6	0% identical to the nucleotide sequence of SEQ ID NO:1, SEQ ID NO:3,
	SEQ ID NO:	4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO: 10, SEQ ID
	NO:12, or th	e cDNA insert of the plasmid deposited with ATCC as Accession Number _
		or a complement thereof;
10	b)	a nucleic acid molecule comprising a fragment of at least 439 nucleotides
	of the nucleo	tide sequence of SEQ ID NO:1, SEQ ID NO:3, the cDNA insert of the
	plasmid depo	osited with ATCC as Accession Number, or a complement thereof;
	c)	a nucleic acid molecule comprising a fragment of at least 481 nucleotides
	of the nucleo	tide sequence of SEQ ID NO:4, SEQ ID NO:6, the cDNA insert of the
15	plasmid depo	osited with ATCC as Accession Number, or a complement thereof;
	d)	a nucleic acid molecule comprising a fragment of at least 2175
	nucleotides of	of the nucleotide sequence of SEQ ID NO:7, SEQ ID NO:9, the cDNA
	insert of the	plasmid deposited with ATCC as Accession Number, or a complement
	thereof;	
20	e)	a nucleic acid molecule comprising a fragment of at least 439 (CHECK
	NUMBER)	nucleotides of the nucleotide sequence of SEQ ID NO:10, SEQ ID NO:12,
	the cDNA in	sert of the plasmid deposited with ATCC as Accession Number, or a
	complement	thereof;
	f)	a nucleic acid molecule which encodes a polypeptide comprising an
25	amino acid s	equence of at least about 60% homologous to the amino acid sequence of
	SEQ ID NO	2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid
	sequence en	coded by the cDNA insert of the plasmid deposited with ATCC as
	Accession N	umber,or;
	g)	a nucleic acid molecule which encodes a fragment of a polypeptide
30	comprising t	he amino acid sequence of SEQ ID NO:2 or SEQ ID NO:5 or SEQ ID
	NO:8, or SE	Q ID NO:11, wherein the fragment comprises at least 15 contiguous amino
	acids of SEC	ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:1!, or the

	polypeptide encoded by the cDNA insert of the plasmid deposited with ATCC as				
	Accession Number,or; and				
	h)	a nucleic acid molecule which encodes a naturally occurring allelic			
	variant of a po	olypeptide comprising the amino acid sequence of SEQ ID NO:2, SEQ ID			
5	NO:5, SEQ II	O NO:8, SEQ ID NO:11, or an amino acid sequence encoded by the cDNA			
	insert of the p	lasmid deposited with ATCC as Accession Number,or			
		the nucleic acid molecule hybridizes to a nucleic acid molecule			
	comprising S	EQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7,			
	SEQ ID NO:9	, SEQ ID NO:10, SEQ ID NO:12, or a complement thereof under stringent			
10	conditions.				
	2.	The isolated nucleic acid molecule of claim 1, which is selected from the			
	group consisti	ing of:			
	a)	a nucleic acid comprising the nucleotide sequence of SEQ ID NO:1, SEQ			
15	ID NO:3, SEC	Q ID NO:4, SEQ ID NO:6, SEQ ID NO:7, SEQ ID NO:9, SEQ ID NO:10,			
	SEQ ID NO:1	2, the cDNA insert of the plasmid deposited with ATCC as Accession			
	Number	,or, or a complement thereof; and			
	b)	a nucleic acid molecule which encodes a polypeptide comprising the			
	quence of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11,				
20	or an amino ac	cid sequence encoded by the cDNA insert of the plasmid deposited with			
ATCC as Accession Number Number,or					
		managic™ e ·			
	3.	The nucleic acid molecule of claim 1 further comprising vector nucleic			
acid sequences.					
25					
	4.	The nucleic acid molecule of claim 1 further comprising nucleic acid			
	sequences enc	oding a heterologous polypeptide.			
	5.	A host cell which contains the nucleic acid molecule of claim 1.			
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	6.	The host cell of claim 5 which is a mammalian host cell.			

A non-human mammalian host cell containing the nucleic acid molecule

7.

of claim 1.

	8.	An isolated polypeptide selected from the group consisting of:	
5	a)	a fragment of a polypeptide comprising the amino acid sequence of SEQ	
	ID NO:2 or S	SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or the polypeptide encoded	
	by the DNA	insert of the plasmid deposited with ATCC as Accession Number,	
	or	, wherein the fragment comprises at least 15 contiguous amino acids of	
	SEQ ID NO:	2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or the amino acid	
0	sequence enc	oded by the DNA insert of the plasmid deposited with ATCC as Accession	
	Number	,	
	b)	a naturally occurring allelic variant of a polypeptide comprising the	
	amino acid se	equence of SEQ ID NO:2 or SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11,	
7	or an amino a	acid sequence encoded by the cDNA insert of the plasmid deposited with	
5	ATCC as Ac	cession Number, or, wherein the polypeptide is	
	encoded by a	nucleic acid molecule which hybridizes to a nucleic acid molecule	
	comprising S	EQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7,	
	SEQ ID NO:	9, SEQ ID NO:10, SEQ ID NO:12 or a complement thereof under stringent	
	conditions; a	nd .	
0	c)	a polypeptide which is encoded by a nucleic acid molecule comprising a	
	nucleotide se	quence which is at least 60% identical to a nucleic acid comprising the	
	nucleotide se	quence of SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6,	
	SEQ ID NO:	7, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:12, or a complement	
	thereof.		
5			
	9.	The isolated polypeptide of claim 8 comprising the amino acid sequence	
	of SEQ ID N	O:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid	
	sequence enc	oded by the cDNA insert of the plasmid deposited with ATCC as	
	Accession Numberor		
0			
	10.	The polypeptide of claim 8 further comprising heterologous amino acid	
	sequences.		

	11. An antibody which selectively binds to a polypeptide of claim 8.		
	12. A method for producing a polypeptide selected from the group consisting		
	of:		
5	a) a polypeptide comprising the amino acid sequence of SEQ ID NO:2,		
	SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid sequence encoded by		
	the cDNA insert of the plasmid deposited with ATCC as Accession Numberor		
	;		
	b) a fragment of a polypeptide comprising the amino acid sequence of SEQ		
10	ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an amino acid sequence		
	encoded by the cDNA insert of the plasmid deposited with ATCC as Accession Number		
	Number, or, wherein the fragment comprises at least 15 contiguous		
	amino acids of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11, or an		
	amino acid sequence encoded by the cDNA insert of the plasmid deposited with ATCC		
15	as Accession Number or; and		
	c) a naturally occurring allelic variant of a polypeptide comprising the		
	amino acid sequence of SEQ ID NO:2, SEQ ID NO:5, SEQ ID NO:8, SEQ ID NO:11,		
	or an amino acid sequence encoded by the cDNA insert of the plasmid deposited with		
	ATCC as Accession Number, or, wherein the polypeptide is		
20	encoded by a nucleic acid molecule which hybridizes to a nucleic acid molecule		
	comprising SEQ ID NO:1, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:6, SEQ ID NO:7,		
	SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO: 12, or a complement thereof under		
	stringent conditions;		
	comprising culturing the host cell of claim 5 under conditions in which the		
25	nucleic acid molecule is expressed.		
	—— Prince for a		
	13. A method for detecting the presence of a polypeptide of claim 8 in a		
	sample, comprising:		
	a) contacting the sample with a compound which selectively binds to a		
30	polypeptide of claim 8; and		
	b) determining whether the compound binds to the polypeptide in the		

sample.

- 14. The method of claim 13, wherein the compound which binds to the polypeptide is an antibody.
- 15. A kit comprising a compound which selectively binds to a polypeptide of claim 8 and instructions for use.
 - 16. A method for detecting the presence of a nucleic acid molecule of claim 1 in a sample, comprising the steps of:
 - a) contacting the sample with a nucleic acid probe or primer which selectively hybridizes to the nucleic acid molecule; and
 - b) determining whether the nucleic acid probe or primer binds to a nucleic acid molecule in the sample.
- 17. The method of claim 16, wherein the sample comprises mRNA15 molecules and is contacted with a nucleic acid probe.
 - 18. A kit comprising a compound which selectively hybridizes to a nucleic acid molecule of claim 1 and instructions for use.
- 19. A method for identifying a compound which binds to a polypeptide of claim 8 comprising:
 - a) contacting a polypeptide, or a cell expressing a polypeptide of claim 8 with a test compound; and
 - b) determining whether the polypeptide binds to the test compound.

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- 20. The method of claim 19, wherein the binding of the test compound to the polypeptide is detected by a method selected from the group consisting of:
- a) detection of binding by direct detecting of test compound/polypeptide binding;
- b) detection of binding using a competition binding assay;
 - c) detection of binding using an assay for LGR6-activity.

21. A method for modulating the activity of a polypeptide of claim 8 comprising contacting a polypeptide or a cell expressing a polypeptide of claim 8 with a compound which binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.

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- 22. A method for identifying a compound which modulates the activity of a polypeptide of claim 8, comprising:
 - a) contacting a polypeptide of claim 8 with a test compound; and
- b) determining the effect of the test compound on the activity of the polypeptide to thereby identify a compound which modulates the activity of the polypeptide.

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